

IN THE CLAIMS:

All pending Claims 1 to 10, 29 and 30 are reproduced below for the Examiner's convenience.

1. (Previously Amended) A preset information setting system comprising:
an optical device; and
an information write device set outside said optical device and
connected to said optical device,

wherein said optical device includes an optical member, drive means for driving said optical member, storage means for storing preset information which is written by said information write device and relates to driving of said optical member, and control means for controlling said drive means, and

wherein said control means performs preset drive control of said drive means on the basis of the preset information stored in said storage means.

2. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device generates preset information of an arbitrary form, and

said optical device further comprises information conversion means for converting the preset information of the arbitrary form from said information write device into preset information of a form processible by said control means, said information conversion means storing the converted preset information of the processible form in said storage means.

3. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device generates, as preset information of an arbitrary form, relative position information representing a driving amount from a predetermined position in a movable range of said optical member, and

said optical device further comprises information conversion means for converting the relative position information from said information write device into preset information representing an actual driving position of said optical member, said information conversion means storing the converted preset information representing the actual driving position in said storage means.

4. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device generates focal length information as preset information of an arbitrary form, and

said optical device further comprises information conversion means for converting the focal length information from said information write device into preset information representing an actual driving position of said optical member, said information conversion means storing the converted preset information representing the actual driving position in said storage means.

5. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device generates, as preset information of an arbitrary form, driving time information representing a driving time taken from one end to the other end in a movable range of said optical member, and

said optical device further comprises information conversion means for converting the driving time information from said information write device into preset information representing an actual driving speed of said optical member, said information conversion means storing the converted preset information representing the actual driving speed in said storage means.

6. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device generates, as preset information of an arbitrary form, range driving time information representing a driving time in a driving range of the preset driving control, and

said optical device further comprises information conversion means for converting the range driving time information from said information write device into preset information representing a driving speed of said optical member, said information conversion means storing the converted preset information representing the driving speed in said storage means.

7. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device generates preset information of a form processible in the preset drive control, and stores the generated preset information in said storage means.

8. (Previously Amended) A preset information setting system according to claim 1, wherein said optical member includes a zoom lens optical system.

9. (Previously Amended) A preset information setting system according to claim 1, wherein said information write device includes a computer.

10. (Previously Amended) A preset information setting system comprising:
an optical device; and
an information write device set outside said optical device and
connected to said optical device,

wherein said optical device includes an optical member, drive means for driving said optical member, storage means for storing first preset information which is written by said information write device and relates to driving of said optical member, storage operation setting means operated to store second preset information into said storage means, and control means for controlling said drive means, and

wherein said control means selects one of the first preset information and the second preset information stored in said storage means, and performs preset drive control of said drive means on the basis of the selected first preset information or second preset information.

Claims 11 to 28 (Cancelled).

29. (Previously Amended) An optical device comprising:
an optical member;

drive means for driving said optical member;

storage means for storing preset information which is written by an external information write device and relates to driving of said optical member; and

control means for controlling said drive means, wherein said control means performs preset drive control of said drive means on the basis of the preset information stored in said storage means.

30. (Previously Amended) An optical device comprising:

an optical member;

drive means for driving said optical member;

storage means for storing first preset information which is written by an external information write device and relates to driving of said optical member;

operation setting means for setting second preset information that relates to driving of said optical member; and

control means for controlling said drive means,

wherein said control means selects one of first preset information which is stored in said storage means and the second preset information which is set by said operation setting means, and

wherein said control means performs preset drive control of said drive means on the basis of the selected first preset information or second preset information.